

Northeast Empire Limited Partnership #1)	DEPARTMENTAL
Androscoggin County )	FINDINGS OF FACT AND ORDER
Livermore Falls, Maine )	PART 70 AIR EMISSION LICENSE
A-555-70-C-M )	Amendment #2

After review of the Part 70 Minor Change application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

**I. REGISTRATION**

**A. Introduction**

FACILITY	Northeast Empire Limited Partnership #1 (NELP#1)
LICENSE NUMBER	A-555-70-A-I
LICENSE TYPE	Initial Part 70 License
NAIC CODES	4911 – Electrical Generation
NATURE OF BUSINESS	Electric Generating Station
FACILITY LOCATION	RR2, Snelling Road, Livermore Falls

**B. Description of Part 70 Minor Change**

NELP #1 has requested a Part 70 Minor Change to increase the amount of Construction/Demolition Wood Debris (CDWD) they are allowed to fire. This change is to increase the feed rate of CDWD from thirty (30%) percent to sixty (60%) percent by weight of the annual fuel use and daily feed rate. For the purpose of this license, CDWD shall be chipped wood demolition debris (including pallets) with painted, chemically treated, and wood mixed with roofing and other non wood related demolition products removed such that the amount remaining is determined to be insignificant.

NELP #1 has performed trial burns and stack testing while firing up to 60% CDWD to evaluate if any changes in emission rates would occur as a result of the increase. Through stack testing it was determined that lead emissions would increase slightly, but remain below the 0.6 TPY PSD threshold.

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C. Revised Facility Emissions

The following total licensed annual emissions are based on a 12 month rolling total.

**Total Allowable Annual Emissions for the Facility**  
(used to calculate the annual license fee)

<b><u>Pollutant</u></b>	<b><u>TPY</u></b>
PM	47.1
PM <sub>10</sub>	47.1
SO <sub>2</sub>	33.2
NO <sub>x</sub>	356.8
CO	1054.3
VOC	37.9
NH <sub>3</sub>	21.9
Lead	0.51

**ORDER**

The Department hereby grants Part 70 Minor Change A-555-70-C-M, subject to the conditions found in Part 70 License A-555-70-A-I and in addition to the following conditions:

**The following shall replace Condition (24)C of Part 70 License A-555-70-A-I:**

(24) Boiler 1

C. Lb/hr emissions from Boiler 1 shall not exceed the following limits:

<b><u>Pollutant</u></b>	<b><u>lb/hour</u></b>
PM	11.7
PM <sub>10</sub>	11.7
SO <sub>2</sub>	8.2
NO <sub>x</sub>	87.9
CO	263.7
VOC	9.4
NH <sub>3</sub>	5.0
Lead	0.127

PM, SO<sub>2</sub>, VOC, NH<sub>3</sub> and Lead Lb/hr limits are on a one (1) hour average and can be demonstrated upon request by a stack test in accordance with this license.

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CO and NO<sub>x</sub> lb/hr limits are based on a 24 hour block average basis and can be demonstrated upon request by a stack test in accordance with this license. A 24 hour block average basis shall be defined as midnight to midnight.

[MEDEP Chapter 140, BPT]

**The following shall replace Condition (24)K of Part 70 License A-371-70-A-I:**

**(24) Boiler #1**

K. NELP #1 shall limit the annul fuel usage and quarterly feed rate (based on purchase records which specify the type and quantity of RWF and CDWD) into Boiler #1 to:

- 1) Up to ten (10%) percent by weight of the annual fuel use may be RWF, which for the purpose of this license shall consist of chipped utility poles, railroad ties, and other similar chemically treated wood products.
- 2) Up to thirty (60%) percent by weight of the annual fuel use may be CDWD, which for the purpose of this license shall be chipped wood demolition debris which is painted or chemically treated, and wood mixed with roofing and other non wood related demolition products removed such that the amount remaining is determined to be insignificant.

**The following shall replace Condition (36) of Part 70 License A-555-70-A-I:**

**(36) Certification by a Responsible Official**

All reports (including quarterly reports, semiannual reports, and annual compliance certifications) required by this license to be submitted to the Bureau of Air Quality must be signed by a responsible official.

[MEDEP Chapter 140]

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**The following is a new condition to Part 70 License A-555-70-A-I:**

(38) This amendment shall expire concurrently with Part 70 License A-555-70-A-I.

DONE AND DATED IN AUGUSTA, MAINE THIS                      DAY OF                      2001.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: \_\_\_\_\_  
MARTHA G. KIRKPATRICK, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application      February 20, 2001

Date of application acceptance      February 21, 2001

Date filed with Board of Environmental Protection \_\_\_\_\_

This Order prepared by Mark E. Roberts, Bureau of Air Quality